

**METHOD AND SYSTEM FOR COGNITIVE PRE-FETCHING**

**Abstract of the Disclosure**

According various embodiments of the present invention, methods and systems for accessing  
5 data on a storage medium of a data storage device comprise determining a file to be accessed based  
on a directory maintained by a host processor connected with the data storage device. One or more  
locations on the storage medium for data in the file to be accessed are found in a file system on the  
storage medium. A file location linked list is compiled based on the one or more locations on the  
storage medium for data in the file to be accessed. A download linked list command and the file  
10 location linked list is sent from the host to the data storage device.